

# No Formaldehyde-Releasing Biocides

Chemetall offers Tech Cool® metalworking fluids that provide high performance without the use of formaldehyde-releasing triazine-type biocides. The U.S. Department of Health and Human Services' National Toxicology Program (NTP) has classified formaldehyde as a known human carcinogen. Triazine, a commonly used bactericide in metalworking fluids, releases formaldehyde into machining fluid sumps and systems.

## Proven **GREEN** Technology



### Advantages of Chemetall Tech Cool® Semi-Synthetic Metalworking Fluids

- Bactericide free
- DCHA free
- Enhanced lubricity
- Increased corrosion control
- Exceptional emulsion stability
- High detergency
- Low foaming
- Tramp oil rejection
- Longer, odor-free sump life
- Drier chips
- Recyclable for reduced consumption

**Chemetall**  
expect more<sup>+</sup>

## Chemetall is proud to offer the following Semi-Synthetic Fluids free of Formaldehyde-Releasing Biocide:

<p><b>Tech Cool® 35200</b></p> <ul style="list-style-type: none"> <li>■ Premium oil semi-synthetic coolant</li> <li>■ Excellent staining protection</li> <li>■ Effective on general machining applications for multi-metal systems</li> <li>■ Excellent performance on:             <ul style="list-style-type: none"> <li>○ Cast iron substrates</li> <li>○ Steel</li> <li>○ Non ferrous metals</li> </ul> </li> </ul>	<p><b>Tech Cool® 35048</b></p> <ul style="list-style-type: none"> <li>■ Premium high oil semi-synthetic coolant</li> <li>■ Effective on most metal removal operations</li> <li>■ Specially formulated for high speed, high pressure applications on:             <ul style="list-style-type: none"> <li>○ Aluminum</li> <li>○ Ferrous metals</li> <li>○ Non ferrous metals</li> </ul> </li> </ul>	<p><b>Tech Cool® 35052</b></p> <ul style="list-style-type: none"> <li>■ Premium EP-modified high oil semi-synthetic coolant</li> <li>■ Provides exceptional machining performance on the most challenging aerospace substrates and operations, including:             <ul style="list-style-type: none"> <li>○ Titanium</li> <li>○ High nickel alloys</li> <li>○ Aluminum</li> <li>○ Steel</li> <li>○ Alloy steels</li> </ul> </li> </ul>	<p><b>Tech Cool® 35052CF</b></p> <ul style="list-style-type: none"> <li>■ Premium chlorine free high oil semi-synthetic coolant</li> <li>■ Exceptional lubricity for the most challenging operations and substrates, without the use of EP</li> <li>■ Ideal for use on all substrates, including exotic alloys</li> </ul>
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Products	Application	EP Properties	Concentration	pH	Metals
Tech Cool® 35200	Light to Medium Duty	Non-Chlorinated	5–12%	8.7–9.3	<ul style="list-style-type: none"> <li>■ Cast Iron</li> <li>■ Steel</li> <li>■ Copper and Brass</li> </ul>
Tech Cool® 35048	Medium to Heavy duty	Non-Chlorinated	5–12%	8.7–9.3	<ul style="list-style-type: none"> <li>■ Aluminum</li> <li>■ Ferrous</li> <li>■ Non Ferrous</li> </ul>
Tech Cool® 35052	Medium to Heavy duty	Chlorinated	5–12%	8.7–9.3	<ul style="list-style-type: none"> <li>■ Alloy Steels</li> <li>■ Aluminum</li> <li>■ High Nickel Alloys</li> <li>■ Titanium</li> </ul>
Tech Cool® 35052CF	Medium to Heavy duty	Non-Chlorinated	5–12%	8.7–9.3	<ul style="list-style-type: none"> <li>■ Alloy Steels</li> <li>■ Aluminum</li> <li>■ High Nickel Alloys</li> <li>■ Titanium</li> </ul>

## Chemetall is proud to serve North America from the following locations:

### North American Headquarters

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Ontario L6T 1B7  
905-791-1628  
Toll-free: 877-311-1471  
Fax: 905-791-1459

### Chemetall Mexicana, S.A. de C.V.

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O'Donnell-Aeropuerto  
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### Chemetall U.S.

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### Chemetall U.S.

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